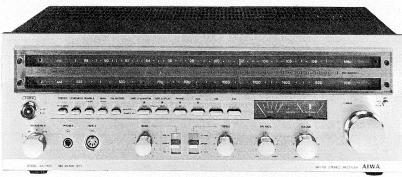
MODEL AX-7600 EE, UK

AIWA

(SERVICE MANUAL)





Set using ISO screws

DATE OF ISSUE 30/11/1977

SPECIFICATIONS

GENERAL

1 IC,3 FET, 68 transistors, 43 diodes &

7 LED AC 120 V/220 V/240 V (switchable) Power source:

50/60 Hz 330 W (MAX)

Power consumption: **Dimensions:**

Semiconductors:

450(W) x 162(H) x 365(D) mm 13 kg

Weight:

FM TUNER SECTION

87~109 MHz Frequency ranges:

Intermediate frequency:

10.7 MHz ±0.1 MHz Frequency scale accuracy:

± 150 kHz (88 MHz)

±150 kHz (98 MHz) ±150 kHz (108 MHz) ±150 kHz (108 MHz) Noise limit sensitivity: AX-7600EE: (SN26 dB, div 40 kHz)

AX-7600EE: (SN26 dB, div 40 kHz) 5±1.5 dB (88.98 MHz) 6±1.5 dB (108 MHz) AX-7600UK: (SN30 dB, div 75 kHz, THD 3%) 5.5 ≤ 7 dB (88.98 MHz)

 $6 \le 8 \text{ dB } (108 \text{ MHz})$

Image frequency interference ratio: $80 \ge 75~\mathrm{dB}~(108~\mathrm{MHz},300\Omega~\mathrm{BAL})$ Intermediate frequency interference ratio: $95~\mathrm{dB}~(98~\mathrm{MHz},300\Omega~\mathrm{BAL})$ $90~\mathrm{dB}~(98~\mathrm{MHz},75\Omega~\mathrm{UN~BAL})$

Muting sensitivity:

20 +5 dB (98 MHz)

Effective selectivity:

AX-7600EE: (tune out 300 kHz, div 40 kHz)

50 dB

AX-7600UK: (tune out 400 kHz, div 75 kHz)

60 dB

Capture ratio:

1.7 dB 39 ≥ 35 dB (1 kHz) Separation:

SN ratio: (Un-Weighted)

65 dB (98 MHz, input 60 dB)

AM TUNER SECTION

Frequency ranges: Intermediate frequency:

515~1650 kHz

AX-7600EE: 455 kHz ±5 kHz AX-7600UK: 468 kHz ±5 kHz

Frequency scale accuracy: ±15 kHz (600 kHz) ±20 kHz (1000 kHz) ±20 kHz (1400 kHz)

Noise limit sensitivity: 48±3 dB (600, 1000, 1400 kHz)

(SN20 dB)

Image frequency interference ratio:

Image frequency interference ratio: $40 \geq 35 \, \text{dB} \, (1400 \, \text{kHz})$ Intermediate frequency interference ratio: $30 \pm 5 \, (\text{input 74 dB}, 1000 \, \text{kHz})$ IF selectivity: $+22/-30 \pm 8 \, \text{dB} \, (1000 \, \text{kHz})$ Tuning hum: $44 \geq 36 \, \text{dB} \, (\text{input 74 dB}, 1000 \, \text{kHz})$

 $44 \ge 36 \text{ dB (input } 45 \text{ dB (1000 kHz)}$ AGC characteristic:

PRE AMP SECTION

<PHONO AMP SECTION>

Sensitivity/impedance: $1.6\pm0.2~\text{mV/43} \ge 40~\text{k}\Omega$

<TAPE-1, AUX SECTION>

Sensitivity/impedance: $88\pm3~\text{mV}/600 \ge 550~\text{k}\Omega$

 $0^{+0}_{-3} dB (1 kHz)$ Gain:

Distortion: $0.05 \leqq 0.1\%$

+0 −1 dB (20 Hz~50 kHz) Frequency:

 $\begin{array}{ccc} \textbf{Separation:} & 50~\text{dB} \\ \textbf{SN ratio:} & (\text{Un-Weighted}) & 74 \geq 68~\text{dB} \\ \textbf{CONTROL, MAIN AMP SECTION} \\ \end{array}$

Tone controls: BASS

+8, -7 dB/+6, -5 dB'±1.5 dB (100 Hz) 400/200 Hz turnover frequency 400/200 Hz turnover frequency TREBLE +8, -9 dB/+5, -6 dB ±1.5 dB (10 kHz) 2.5/5 kHz turnover frequency +7.5 ±1.5 dB (100 Hz) +4.9 ±1.5 dB (10 kHz)

Loudness Response:

(With volume at -40 dB)

-3.4 ±1.0 dB (8 kHz) -14 ±2 dB (5 kHz, SP OUT) -15.2 ±2 dB (5 kHz, TAPE OUT) High filter Rumble filter:

Continuous power output:

45W ± 45W (4Ω) 40W ± 40W (8Ω)

1 kHz (both channels driven)

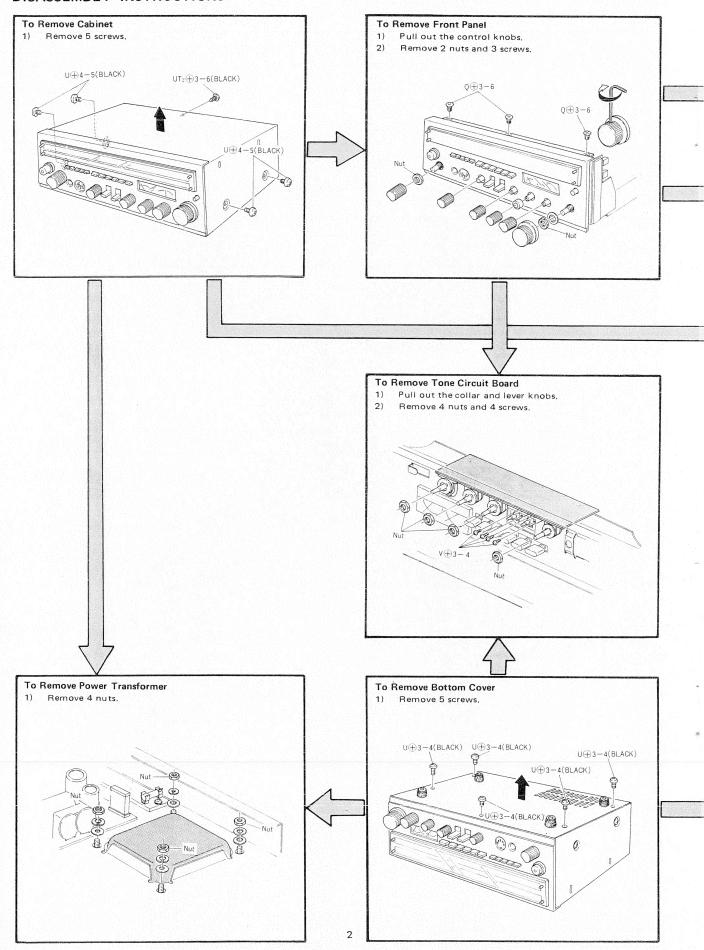
0.2% (45W +45W, 8Ω) Harmonic Distortion: Power bandwidth:

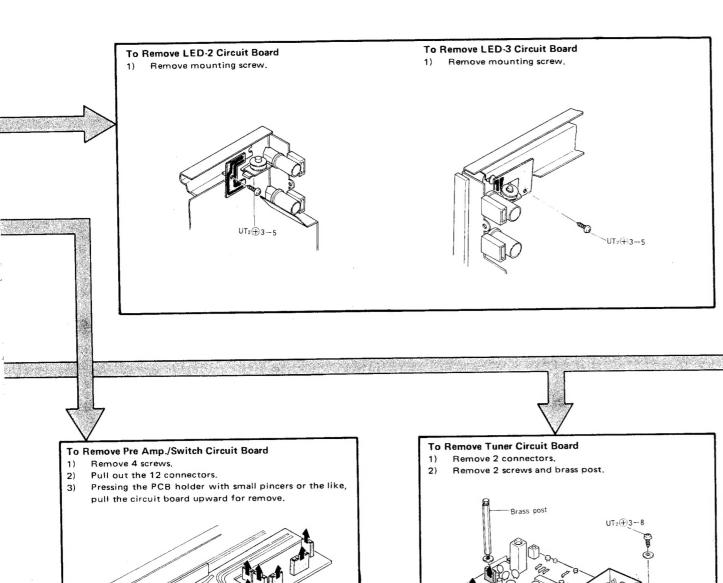
10 Hz~50 kHz (distortion 0.2%)

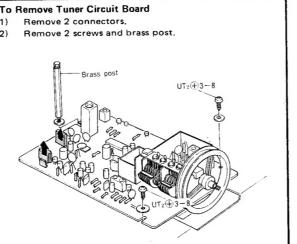
Residual noise: 0.5 mV (8Ω)

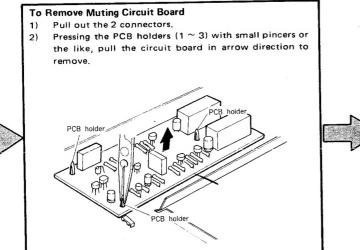
Specifications and external appearance are subject to change without notice due to product improvement.

DISASSEMBLY INSTRUCTIONS







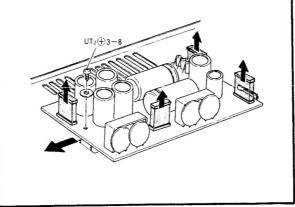


To Remove Power Circuit Board

1) Pull out the 4 connectors.

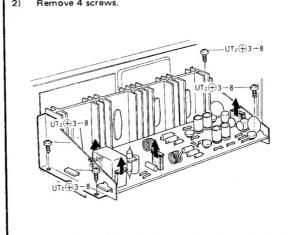
3

Remove mounting screw and pull circuit board in arrow direction to remove.



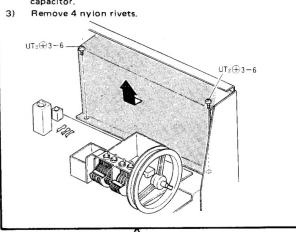
To Remove Main Amp. Circuit Board

- Pull out the 2 connectors.
 Remove 4 screws,

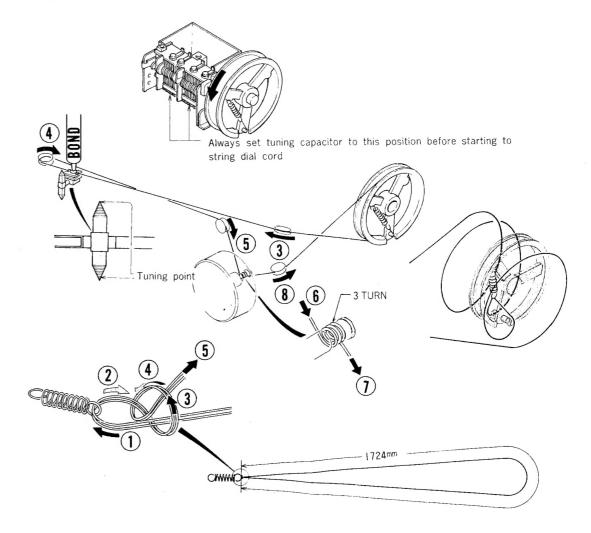


To Remove Jack/Equalizer Circuit Board

- Remove 2 screws.
- 2) Using a soldering iron disconnect one terminal of the capacitor.

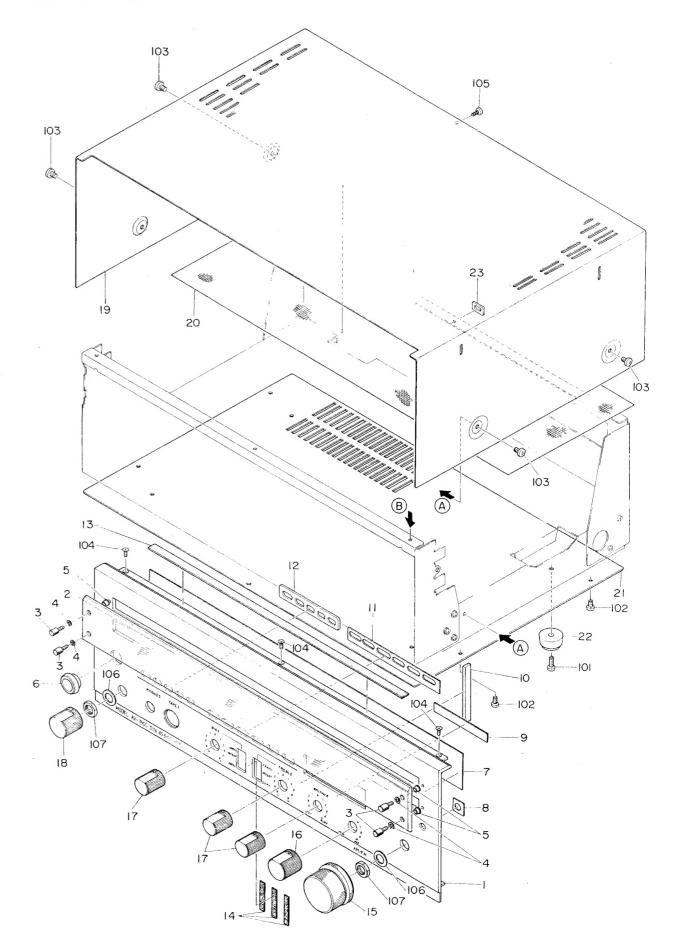


DIAL CORD STRINGING



* * 4						* * * * * *	
	10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-						
Tree de la Alexandra de la contraction de la con							
	Annual Control of the				·		
	4 4 4 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10		-		-		
***************************************				-			
		1./2 // 2.00					
							
						-	
		• • • • • • • • • • • • • • • • • • • •					
							,

EXPLODED VIEW-1



MECHANICAL PARTS

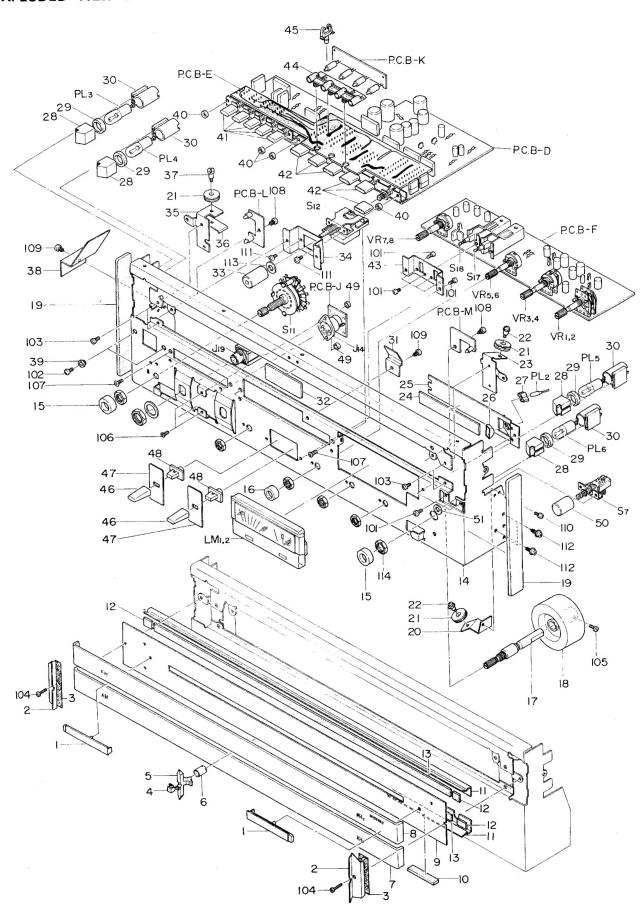
PARTS LIST

 * mark in this part list shows exclusive part (which is used) for only Model AX-7600.

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
1~14	09-047-100-01		Panel Assembly			
1-1	82-489-001-01		Front panel	*	1	
1-2	82-489-002-01		Window, Dial	*	1	
1-3	82-488-016-01		Screw, Window	*	4	
1-4	82-488-024-01		G washer	AX-7400	4	
1-5	82-488-023-01	N	G sleeve	AX-7400	4	
1-6	82-397-027-01		Ring, AC switch button		1	
1-7	82-489-005-01		Sheet, Dial	*	1	
1-8	82-489-209-01		Guide A, Push button	*	1	
1-9	82-489-220-01		G cushion, Meter	*	1	
1-10	82-489-222-01		S cushion	*	1	
1-11	82-489-204-01		Guide 6, Push button	*	1	
1-12	82-488-207-01		Guide, Button (FUNCTION)	AX-7400	1	
1-13	82-473-273-01		Spacer, Top panel	AX-7500	1 1	
1-14	82-488-229-01		Spacer, Decorative plate switch	AX-7400	3	
1-15	82-488-008-01		Tuning knob ass'y	AX-7400	1	
1-16	82-488-004-01		Volume knob ass'y	AX-7400	1 1	
1-17	82-488-006-01		Tone knob ass'y	AX-7400	3	
1-18	82-489-013-01		Speaker selector knob ass'y	*	1	
1-19	82-489-012-01		Panel, Top	*	1	
1-20	82-489-214-01		Net	*	1	
1-21	82-473-004-01		Bottom plate	AX-7500	1 1	
1-22	87-085-141-01		Leg		4	
1-23	82-380-439-01		Spacer, Rear panel	AD-7600	1	

Ref. No.	Part No.	Description	Q'ty	Ref. No.	ef. No. Part No.	Description	Q'ty
1-101	87-261-171-21	V + 4-10	4	1-105	1-105 87-348-094-01	UT ₂ + 3-6(Black)	1
1-102	87-257-092-11	U + 3-4(Black)	5	1-106	1-106 87-410-340-01	W9-16-0.5	2
1-103	87-257-168-11	U + 4-5(Black)	4	1-107	1-107 87-081-253-11	N-9	2
1-104	87-231-094-21	Q + 3-6	3				

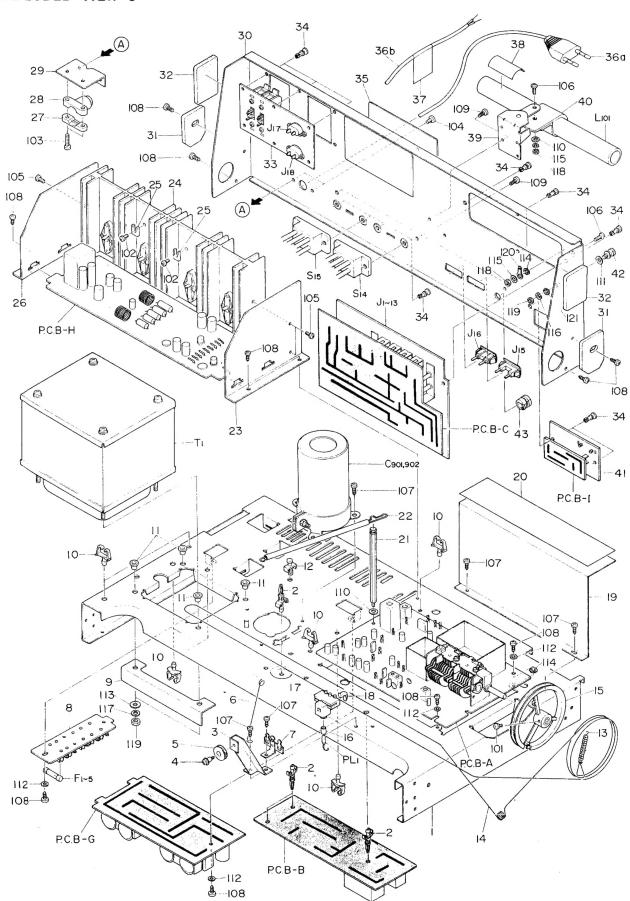
EXPLODED VIEW-2



Ref. No.	Part No.	Part No.	Description	Common	Q'ty
		Changed to		Model	
2-1	82-473-043-01		Spacer, Dial plate	AX-7500	2
2-2	82-473-037-01		Holder B, Dial plate	AX-7500	2
2-3	82-473-224-01		Himeron, Reflector-blocking	AX-7500	2
2-4	82-488-027-01		Holder, Tuning pointer	AX-7400	1 1
2-5	82-488-017-01		Tuning pointer	AX-7400	1
2-6	82-488-028-01		Tube, Tuning pointer	AX-7400	1
2-7	82-489-007-01		Dial plate, Lower	*	1
2-8	82-489-006-01		Dial plate, Upper	*	1
2-9	82-489-010-01		Dial back plate	*	1
2-10	82-489-218-01		Cushion, Dial	* *	1
2-11	82-473-008-01		Holder A, Dial plate	AX-7500	1
2-12	82-473-226-01		Sub cushion, Dial plate	AX-7500	4
2-13	82-473-272-01		Cushion A, Dial plate	AX-7500	2
2-14	82-489-201-01		Front chassis	*	1
2-15	82-473-262-01		Collar, Stopper	AX-7500	2
2-16	82-489-224-01		Collar, Knob	*	1
2-10	82-473-207-01		Tuning shaft ass'y	AX-7500	1
2-17	82-473-259-01		Tuning, Flywheel	AX-7500	i
2-16	82-380-455-01		Spacer, Side panel	AD-7600	2
2-19	82-380-455-01		Holder, Roller C	AX-7500	1
			Roller	AX-7500	3
2-21	82-473-220-01 87-081-483-01		Motor screw M2.6	AX-7500	2
2-22				*	1
2-23	82-489-206-01		Holder F, Roller		1 1
2-24	82-489-213-01		Cushion, Meter		
2-25	82-489-210-01		Holder, Meter	TDD 202	1 1
2-26	82-422-283-01		Mirror, Reflector	TPR-203	1 1
2-27	82-422-284-01		Lamp bushing	TPR-203	1
2-28	82-473-231-01		Plate, Reflector	AX-7500	4
2-29	82-473-232-01		Lamp, Packing	AX-7500	4
2-30	87-032-503-01		Socket, Pilot lamp		4
2-31	82-489-202-01		Holder, Dial plate		1 1
2-32	82-489-207-01		Cushion		1
2-33	82-397-033-01		AC switch button ass'y	AD-7500	1
2-34	82-489-216-01		Holder, Switch	*	1
2-35	82-489-211-01		Roller holder G	*	1
2-36	82-473-255-01		Adjusting plate, Roller	AX-7500	1
2-37	82-473-254-01		Adjusting screw, Roller	AX-7500	1
2-38	82-489-221-01		Insulation cover	*	1
2-39	82-380-292-01		Collar, AC holder	AD-7600	2
2-40	82-473-261-01		Push collar	AX-7500	4
2-41	82-489-009-01		Push button (FUNCTION)	*	5
2-42	82-489-008-01		Push button (SELECTOR)	*	6
2-43	82-489-203-01		Holder A	*	1
2-44	82-473-274-01		Lamp bushing	AX-7500	1
2-45	87-064-038-01		Wire clip A		1
2-46	82-488-020-01		Knob lever	AX-7400	2
2-47	82-488-019-01		Decorative plate, Switch	AX-7400	2
2-48	82-488-022-01		Knob holder	AX-7400	2
2-49	82-473-251-01		DIN collar	AX-7500	2
2-50	82-489-003-01		AFC button	*	1
2-51	82-422-251-01		Poly-slider washer	TPR-203	1 1

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
2-101	87-261-092-21	V + 3-4	8	2-108	87-343-093-21	UT ₂ + 3-5	2
2-102	87-261-093-21		2	2-109	87-343-094-21	UT ₂ + 3-6	2
2-103	87-251-072-21	U + 2.6-5	4	2-110	87-480-072-01	VS + 2.6-5	1
2-104	87-251-075-21	U + 2.6-10	1 1	2-11-1	87-480-093-11	VS + 3-5	2
2-105	87-251-094-21	U + 3-6	2	2-112	87-510-095-01	VTF + 3-8	6
2-106	87-231-036-21	Q + 2-8	2	2-113	87-081-034-01	WF5-10-1	1
2-107	87-231-095-21	Q + 3-8	4	2-114	87-081-253-11	N-9	1

EXPLODED VIEW-3



3-1 82-473-205-01 Chassis Holder B, Circuit board AX-7500 1	Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
33 82-473-217-01 Holder D, Roller AX-7500 1	3-1	82-473-205-01		Chassis	AX-7500	1	
34 37-081-483-01 Motor screw, M2.6 AX-7500 1	3-2	87-064-061-01		Holder B, Circuit board		4	
Roller	3-3	82-473-217-01		Holder D, Roller	AX-7500	1	
Sizer Size	3-4	87-081-483-01		Motor screw, M2.6		1	
Section	3-5	82-473-220-01		Roller	AX-7500	1	
3-8 82-473-717-01 Fuse holder AX-7500 1 3-9 82-473-265-01 Reinforcement plate, Chassis AX-7500 1 3-10 87-064-061-01 Wire clip F 3-11 82-473-267-01 Collar, Power transformer AX-7500 4 3-12 87-064-060-01 Holder, Circuit board 1 3-13 82-473-252-01 Spring, Tuning dial drum AX-7500 1 3-14 87-096-086-01 String, Tuning dial drum AX-7500 1 3-15 82-473-211-01 Tuning dial drum AX-7500 1 3-16 87-830-102-01 UL tube 1.6¢-20 1 3-17 82-473-018-01 Holder, Pointer AX-7500 1 3-18 82-473-206-01 Shield, Phone AX-7500 1 3-19 82-473-206-01 Shield, Phone shield AX-7500 1 3-20 82-473-242-01 Brasspost, Cord AX-7500 1 3-21 82-473-241-01 Brasspost, Cord AX-7500 1 3-22 82-473-250-01 Spring, Cord support AX-7500 1 3-23 82-488-641-01 Spring, Cord support AX-7500 1 3-24 82-488-625-01 Holder R, Heatsink plate 1 3-25 82-473-811-01 Diode, STU-3H AX-7500 2 3-26 82-489-642-01 Holder R, AC power cord 1 3-27 87-085-095-01 Holder R, AC power cord 1 3-28 87-085-095-01 Holder R, AC power cord 1 3-29 82-473-257-01 Back panel AX-7500 1 3-30 82-473-250-01 Back panel AX-7500 1 3-31 82-473-250-01 Spring, Cord support AX-7500 1 3-32 82-473-250-01 Holder R, AC power cord AX-7500 1 3-33 82-473-250-01 Spacer B, Side panel AX-7500 1 3-34 87-085-095-01 Spacer B, Side panel AX-7500 1 3-35 82-489-004-01 Nylon rivet, 3.5-5.5 1 3-36 87-034-835-01 Spacer B, Side panel AX-7500 1 3-36 87-034-835-01 Spacer B, Side panel AX-7500 1 3-36 87-034-835-01 Spacer B, Side panel AX-7500 1 3-37 87-085-008-01 Nylon rivet, 3.5-5.5 1 3-38 82-473-05-01 Spacer Cord (UK model only) 1 3-39 82-473-015-01 Caution label, Antenna AX-7500 1 3-39 82-473-015-01 Caution label, Antenna AX-7500 1 3-40 82-473-015-01 AX-7500 1	3-6	82-471-212-01		Guide, Dial wire	AF-5080	1	
3-9 82-473-256-01 Reinforcement plate, Chassis AX-7500 1 3-10 87-064-051-01 Wire clip F 7 3-11 82-473-267-01 Collar, Power transformer AX-7500 4 3-12 87-064-060-01 Holder, Circuit board 1 3-13 82-473-252-01 Spring, Tuning dial drum AX-7500 1 3-14 87-096-086-01 String, Tuning dial drum AX-7500 1 3-15 82-473-211-01 Tuning dial drum AX-7500 1 3-16 87-830-102-01 UL tube 1.6¢ 20 1 3-17 82-473-018-01 Holder, Pointer AX-7500 1 3-18 82-473-019-01 Lock plate, Pointer AX-7500 1 3-19 82-473-09-01 Shield, Phono AX-7500 1 3-20 82-473-242-01 Label, Phone shield AX-7500 1 3-21 82-473-241-01 Brasspost, Cord AX-7500 1 3-22 82-473-250-01 Spring, Cord support AX-7500 1 3-23 82-489-641-01 Holder R, Heatsink plate 1 3-24 82-489-625-01 Heatsink 1	3-7	87-033-001-01		Lug, 1L-2P		1	
3-10 87-064-051-01 3-11 82-473-267-01 3-11 82-473-267-01 3-12 87-064-060-01 4-13-12 87-064-060-01 4-13-12 87-064-060-01 4-13-12 87-096-086-01 5pring, Tuning dial drum AX-7500 1-13-14 87-096-086-01 5tring, Tuning dial drum AX-7500 1-13-15 82-473-211-01 Tuning dial drum AX-7500 1-13-16 87-830-102-01 UL tube 1.6φ 20 1-13-17 82-473-018-01 UL tube 1.6φ 20 1-13-18 82-473-090-01 UL tube 1.6φ 20 1-13-19 82-473-206-01 5hield, Phono AX-7500 1-13-19 82-473-206-01 5hield, Phono AX-7500 1-13-19 82-473-242-01 5hield, Phono AX-7500 1-13-20 82-473-242-01 5hring, Cord support AX-7500 1-13-22 82-473-250-01 5hring, Cord support AX-7500 1-13-23 82-489-625-01 5hring, Cord support AX-7500 1-13-23 82-489-625-01 5hring, Cord support AX-7500 1-13-25 82-473-611-01 5hring, Cord support AX-7500 1-13-26 82-489-625-01 5hring, Cord support AX-7500 1-13-26 82-489-625-01 5hring, Cord support AX-7500 1-13-26 82-489-642-01 5hring, Cord support AX-7500 1-13-26 82-473-611-01 5hring, Cord support AX-7500 1-13-26 82-489-642-01 5hring, Cord support AX-7500 1-13-26 5hring, Cord support AX-7500 1-13-26 5hring, Cord support	3-8	82-473-717-01		Fuse holder	AX-7500	1	
3-11 82-473-267-01	3-9	82-473-256-01		Reinforcement plate, Chassis	AX-7500	1	
3-12 87-064-060-01 3-13 82-473-252-01 3-14 87-096-086-01 3-15 82-473-211-01 3-16 87-830-102-01 3-17 82-473-018-01 3-18 82-473-019-01 3-19 82-473-206-01 3-19 82-473-206-01 3-19 82-473-206-01 3-19 82-473-206-01 3-19 82-473-206-01 3-19 82-473-206-01 3-20 82-473-242-01 3-21 82-473-240-01 3-22 82-473-250-01 3-23 82-489-641-01 3-24 82-489-625-01 3-25 82-489-625-01 3-26 82-489-626-01 3-27 87-085-095-01 3-28 87-085-096-01 3-29 82-473-257-01 3-30 82-473-257-01 3-30 82-473-257-01 3-31 82-473-257-01 3-32 82-489-04-01 3-33 82-473-257-01 3-34 82-473-055-01 3-35 82-473-055-01 3-36 83-7-085-096-01 3-37 87-085-096-01 3-38 82-473-055-01 3-39 82-473-055-01 3-31 82-473-055-01 3-32 82-473-055-01 3-33 82-473-055-01 3-34 87-085-102-01 3-35 82-489-004-01 3-366 87-034-835-01 3-366 87-034-835-01 3-366 87-034-835-01 3-368 87-034-835-01 3-369 82-473-051-01 3-37 87-066-008-01 3-38 82-473-051-01 3-39 82-473-051-01 3-40 82-473-013-01 40-44-44-44-44-44-44-44-44-44-44-44-44-4	3-10	87-064-051-01		Wire clip F			
Spring, Tuning dial drum	3-11	82-473-267-01		Collar, Power transformer	AX-7500	4	
3-14 87-096-086-01 String, Tuning dial Tuning dial Tuning dial drum AX-7500 1 3-15 82-473-211-01 UL tube 1.6¢ 20 1 3-17 82-473-018-01 Holder, Pointer AX-7500 1 3-18 82-473-019-01 Lock plate, Pointer AX-7500 1 3-19 82-473-206-01 Label, Phone Shield AX-7500 1 3-20 82-473-242-01 Brasspost, Cord AX-7500 1 3-21 82-473-250-01 Spring, Cord support AX-7500 1 3-22 82-473-250-01 Spring, Cord support AX-7500 1 3-23 82-489-641-01 Holder R, Heatsink plate * 1 3-24 82-489-625-01 Heatsink * 1 3-25 82-473-611-01 Diode, STU-3H AX-7500 2 3-26 82-489-642-01 Holder L, Heatsink plate * 1 3-27 87-085-095-01 Holder B, AC power cord AX-7500 1 3-28 87-085-094-01 Holder B, AC power cord AX-7500 1 3-29 82-473-257-01 Holder A, AC power cord AX-7500 1 3-30 82-473-257-01 Back panel AX-7500 1 3-31 82-473-245-01 Spacer B, Side panel AX-7500 2 3-33 82-473-245-01 Spacer B, Side panel AX-7500 2 3-33 82-473-245-01 Spacer B, Side panel AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-356 87-034-835-01 AC power cord (UK model only) 1 3-36b 87-034-835-01 AC power cord (UK model only) 1 3-37 87-066-008-01 AC power cord (UK model only) 1 3-38 82-473-051-01 Antenna holder ass Y AX-7500 1 3-39 82-473-051-01 Antenna AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1	3-12	87-064-060-01	•	Holder, Circuit board			
3-15 82-473-211-01 3-16 87-830-102-01 3-17 82-473-018-01 3-18 82-473-019-01 3-19 82-473-206-01 3-19 82-473-206-01 3-19 82-473-242-01 3-20 82-473-242-01 3-21 82-473-241-01 3-22 82-473-250-01 3-23 82-489-641-01 3-24 82-489-625-01 3-25 82-473-611-01 3-26 82-473-269-01 3-27 87-085-095-01 3-28 87-085-094-01 3-29 82-473-250-01 3-29 82-473-250-01 3-20 82-489-642-01 3-21 82-489-625-01 3-22 82-489-625-01 3-24 82-489-625-01 3-25 82-473-611-01 3-26 82-489-642-01 3-27 87-085-095-01 3-28 87-085-095-01 3-29 82-473-257-01 3-29 82-473-257-01 3-30 82-473-255-01 3-31 82-473-255-01 3-32 82-473-255-01 3-33 82-473-055-01 3-34 87-085-094-01 3-35 82-473-250-01 3-36 82-473-250-01 3-37 82-473-247-01 3-38 82-473-055-01 3-39 82-473-055-01 3-30 82-473-055-01 3-31 82-473-055-01 3-32 82-473-055-01 3-33 82-473-055-01 3-34 87-085-092-01 3-35 82-489-004-01 3-36 87-034-835-01 3-36 87-034-835-01 3-37 87-056-008-01 3-38 82-473-051-01 3-39 82-473-051-01 3-39 82-473-010-01 3-40 82-473-013-01 Holder C, Antenna AX-7500 1 AX-7500 1 1 1 1 AX-7500 1 1 AX-7500 1	3-13	82-473-252-01			AX-7500	1 1	
3-16 87-830-102-01 3-17 82-473-018-01 3-18 82-473-019-01 3-18 82-473-019-01 3-19 82-473-206-01 3-19 82-473-242-01 3-20 82-473-242-01 3-20 82-473-242-01 3-20 82-473-242-01 3-20 82-473-242-01 3-20 82-473-242-01 3-20 82-473-242-01 3-20 82-473-242-01 3-20 82-473-250-01 3-20 82-473-250-01 3-20 82-473-250-01 3-20 82-489-641-01 3-24 82-489-625-01 3-25 82-473-611-01 3-26 82-489-642-01 3-27 87-085-095-01 3-28 87-085-095-01 3-29 82-473-257-01 3-20 82-473-255-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-257-01 3-20 82-473-205-01 3-20 82-473-2	3-14	87-096-086-01				1 1	
3-17 82-473-018-01 3-18 82-473-019-01 3-19 82-473-206-01 3-19 82-473-206-01 3-20 82-473-242-01 3-21 82-473-241-01 3-22 82-473-250-01 3-23 82-489-641-01 3-24 82-489-642-01 3-26 82-489-642-01 3-27 87-085-095-01 3-28 87-085-095-01 3-30 82-473-247-01 3-31 82-473-247-01 3-32 82-473-250-01 3-33 82-473-250-01 3-36 83-489-642-01 3-37 87-085-095-01 3-38 82-473-055-01 3-39 82-473-257-01 3-30 82-473-257-01 3-31 82-473-257-01 3-32 82-473-257-01 3-33 82-473-257-01 3-34 82-473-257-01 3-35 82-473-257-01 3-36 83-489-604-01 3-37 87-085-095-01 3-38 82-473-257-01 3-39 82-473-257-01 3-30 82-473-257-01 3-31 82-473-257-01 3-32 82-473-257-01 3-33 82-473-257-01 3-34 87-085-102-01 3-35 82-489-004-01 3-36 87-034-835-01 3-36 87-034-835-01 3-37 87-056-008-01 3-38 82-473-051-01 3-39 82-473-051-01 3-39 82-473-051-01 3-39 82-473-010-01 3-39 82-473-010-01 3-39 82-473-010-01 3-40 82-473-013-01 Holder C, Antenna AX-7500 1	3-15	82-473-211-01			AX-7500	1	
3-18 82-473-019-01						1	
3-19 82-473-206-01 Shield, Phono AX-7500 1 3-20 82-473-242-01 Brasspost, Cord AX-7500 1 3-21 82-473-250-01 Spring, Cord support AX-7500 1 3-22 82-473-250-01 Spring, Cord support AX-7500 1 3-23 82-489-641-01 Holder B, Heatsink plate * 1 3-24 82-489-625-01 Heatsink * 1 3-25 82-473-611-01 Diode, STU-3H AX-7500 2 3-26 82-489-642-01 Holder L, Heatsink plate * 1 3-27 87-085-095-01 Holder B, AC power cord * 1 3-28 87-085-094-01 Holder B, AC power cord AX-7500 1 3-30 82-473-257-01 Back panel AX-7500 1 3-31 82-473-257-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer B, Side panel AX-7500 2 3-33 82-473-245-01 Spacer B, Side panel AX-7500 2 3-33 82-473-055-01 Spacer B, Side panel AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 Name plate, Spec. * 1 3-36a 87-034-835-01 AC power cord (UK model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-010-01 Antenna holder ass'y AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1	3-17				1		
3-20 82-473-242-01 Brasspost, Cord AX-7500 1 3-21 82-473-250-01 Spring, Cord support AX-7500 1 3-22 82-473-250-01 Spring, Cord support AX-7500 1 3-23 82-489-641-01 Holder R, Heatsink plate * 1 3-24 82-489-625-01 Heatsink AX-7500 2 3-26 82-489-642-01 Diode, STU-3H AX-7500 2 3-27 87-085-095-01 Holder L, Heatsink plate * 1 3-28 87-085-095-01 Holder B, AC power cord 1 3-29 82-473-257-01 Holder A, AC power cord AX-7500 1 3-30 82-473-055-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-33 82-473-05-01 Spacer A, Side panel AX-7500 2 3-33 82-473-03-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 Name plate, Spec. * 1 3-36 87-034-835-01 AC power cord (IEE model only) 3-37 87-056-008-01 Label, AC power cord (UK model only) 3-38 82-473-010-01 Antenna AX-7500 1 3-39 82-473-013-01 Holder C, Antenna AX-7500 1	3-18	82-473-019-01				1 1	
3-21 82-473-241-01 Brasspost, Cord AX-7500 1 3-22 82-473-250-01 Spring, Cord support AX-7500 1 3-23 82-489-641-01 Holder R, Heatsink plate * 1 3-24 82-489-625-01 Heatsink * 1 3-25 82-473-611-01 Diode, STU-3H AX-7500 2 3-26 82-489-642-01 Holder L, Heatsink plate * 1 3-27 87-085-095-01 Holder B, AC power cord 1 3-28 87-085-094-01 Holder A, AC power cord 1 3-29 82-473-257-01 Back panel AX-7500 1 3-30 82-473-255-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-247-01 Spacer A, Side panel AX-7500 2 3-33 82-473-030-01 Speaker terminal AX-7500 2 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-35 82-489-004-01 Nylon rivet, 3.5-5.5 16 <				1			
3-22 82-473-250-01 Spring, Cord support AX-7500 1 3-23 82-489-641-01 Holder R, Heatsink plate * 1 3-24 82-489-625-01 Heatsink * 1 3-25 82-473-611-01 Diode, STU-3H AX-7500 2 3-26 82-489-642-01 Holder L, Heatsink plate * 1 3-27 87-085-095-01 Holder B, AC power cord 1 3-28 87-085-095-01 Holder A, AC power cord 1 3-29 82-473-257-01 Holder, AC power cord AX-7500 1 3-30 82-473-257-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-000-01 Nylon rivet, 3.5-5.5 16 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-35 82-489-004-01 Name plate, Spec. * 1 3-36a<						1	
3-23 82-489-641-01 Holder R, Heatsink plate * 1 3-24 82-489-625-01 Heatsink * 1 3-25 82-473-611-01 Diode, STU-3H AX-7500 2 3-26 82-489-642-01 Holder L, Heatsink plate * 1 3-27 87-085-095-01 Holder B, AC power cord 1 3-28 87-085-094-01 Holder A, AC power cord 1 3-29 82-473-257-01 Holder A, AC power cord AX-7500 1 3-30 82-473-055-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-030-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 AX-7500 1 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-36b 87-034-832-01 AC power cord (UK model only) 1				•			
3-24 82-489-625-01 Heatsink * 1 3-25 82-473-611-01 Diode, STU-3H AX-7500 2 3-26 82-489-642-01 Holder L, Heatsink plate * 1 3-27 87-085-095-01 Holder B, AC power cord 1 3-28 87-085-094-01 Holder A, AC power cord 1 3-29 82-473-257-01 Holder, AC power cord AX-7500 1 3-30 82-473-055-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-045-01 Spacer A, Side panel AX-7500 2 3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 4X-7500 1 3-35 82-489-004-01 Name plate, Spec. * 1 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-36b 87-034-872-01 AC power cord (UK model only) 1 3-37 87-056-008-01 AC power cord (UK model only) 1					AX-7500	1 1	
3:25 82-473-611-01 Diode, STU-3H AX-7500 2 3:26 82-489-642-01 Holder L, Heatsink plate * 1 3:27 87-085-095-01 Holder B, AC power cord 1 3:28 87-085-094-01 Holder A, AC power cord 1 3:29 82-473-257-01 Holder, AC power cord AX-7500 1 3:30 82-473-055-01 Back panel AX-7500 1 3:31 82-473-247-01 Spacer B, Side panel AX-7500 2 3:32 82-473-245-01 Spacer A, Side panel AX-7500 2 3:33 82-473-03-01 Speaker terminal AX-7500 1 3:34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3:35 82-489-004-01 Name plate, Spec. * 1 3:36a 87-034-835-01 AC power cord (EE model only) 1 3:37 87-056-008-01 AC power cord (UK model only) 1 3:38 82-473-051-01 Antenna holder ass'y AX-7500 1 3:40 82-473-013-01 Holder C, Antenna AX-7500 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>						1	
3-26 82-489-642-01 Holder L, Heatsink plate * 1 3-27 87-085-095-01 Holder B, AC power cord 1 3-28 87-085-094-01 Holder A, AC power cord 1 3-29 82-473-257-01 Holder, AC power cord AX-7500 1 3-30 82-473-055-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-35 82-489-004-01 Name plate, Spec. * 1 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-37 87-056-008-01 AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
3-27 87-085-095-01 Holder B, AC power cord 1 3-28 87-085-094-01 Holder A, AC power cord 1 3-29 82-473-257-01 Holder, AC power cord AX-7500 1 3-30 82-473-055-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-35 82-489-004-01 Name plate, Spec. * 1 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-37 87-056-008-01 AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1					AX-7500	1	
3-28 87-085-094-01 Holder A, AC power cord AX-7500 1 3-29 82-473-257-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 AX-7500 1 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-015-01 Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1					*	1	
3-29 82-473-257-01 Back panel AX-7500 1 3-30 82-473-055-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-35 82-489-004-01 Nylon rivet, 3.5-5.5 16 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-015-01 Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1							
3-30 82-473-055-01 Back panel AX-7500 1 3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-35 82-489-004-01 Nylon rivet, 3.5-5.5 16 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-36b 87-034-872-01 AC power cord (UK model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1					·	1	
3-31 82-473-247-01 Spacer B, Side panel AX-7500 2 3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-35 82-489-004-01 Name plate, Spec. * 1 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-36b 87-034-872-01 AC power cord (UK model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1						1	İ
3-32 82-473-245-01 Spacer A, Side panel AX-7500 2 3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5-5.5 16 3-35 82-489-004-01 Nylon rivet, 3.5-5.5 16 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1						1	
3-33 82-473-703-01 Speaker terminal AX-7500 1 3-34 87-085-102-01 Nylon rivet, 3.5—5.5 16 3-35 82-489-004-01 Nylon rivet, 3.5—5.5 16 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1		1					
3-34 87-085-102-01 Nylon rivet, 3.5—5.5 16 3-35 82-489-004-01 Name plate, Spec. * 1 3-36a 87-034-835-01 AC power cord (EE model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1					1		
3-35 82-489-004-01				•	AX-7500		
3-36a 87-034-835-01 AC power cord (EE model only) 3-36b 87-034-872-01 AC power cord (UK model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1							
3-36b 87-034-872-01 AC power cord (UK model only) 1 3-37 87-056-008-01 Label, AC power cord (UK model only) 1 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1							
3-37 87-056-008-01 Label, AC power cord (UK model only) 3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1						1	
3-38 82-473-051-01 Caution label, Antenna AX-7500 1 3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1							
3-39 82-473-010-01 Antenna holder ass'y AX-7500 1 3-40 82-473-013-01 Holder C, Antenna AX-7500 1					AV 7500	1	
3-40 82-473-013-01 Holder C, Antenna AX-7500 1							
						1	
0.44 00.470.000.04 Townshelsonous.40 AV 7500 4						1	
3-41 82-473-626-01 Terminal screw 4P AX-7500 1 3-42 87-033-088-01 Earth terminal					AX-7500		
3-42 87-033-088-01 Earth terminal 1 3-43 87-085-101-01 Cord bushing 1							

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty	
3-101	87-261-093-21	V + 3-5	2	3-112	87-081-017-01	WF3-8-1	4	
3-102	87-261-096-21	V + 3-10	2	3-113	87-081-021-01	WF6-13-1	4	
3-103	87-263-099-01	V + 3-15	2	3-114	87-433-904-01	WTIE-3	2	
3-104	87-257-092-11	U + 3-4(Black)	2	3-115	87-421-306-01	SW-3	2	
3-105	87-251-094-21	U + 3-6	4	3-116	87-421-308-01	SW-4	1 1	
3-106	87-257-097-11	U + 3-12(Black)	2	3-117	87-421-310-01	SW-6	4	
3-107	87-343-094-21	UT ₂ + 3-6	7	3-118	87-391-017-11	N3-5.5-2.4	2	
3-108	87-343-095-21	UT ₂ + 3-8	12	3-119	87-391-036-01	N-5-8-4	5	
3-109	87-348-095-01	UT ₂ + 3-8(Black)	5	3-120	87-450-414-01	LB-4	1	
3-110	87-410-314-01	W3-8-0.3	2	3-121	87-433-906-01	WTIE-4	1	
3-111	87-410-326-01	W4-10-1	1					
	I .	i	1		1	1		

HARDWARE NOMENCLATURE

V: Pan head screw

U: Binding head screw

Q: Flat countersunk head screw

UT2: Binding head tapping screw

VTF: Flange and Pan head tapping screw

VS: Pan head screw with spring washer











W: Washer

FW: Fiber washer

SW: Spring washer

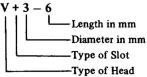
WTIE: Crown washer

LB: Lug terminal plate

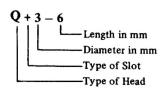
N: Nut

Example: V + 3 - 6









ACCESSORIES/PACKAGE

Part No. Part No. Changed to		Description	Common Model	Q'ty	
82-489-851-01		Printed indiv., Packing	*	1	
82-489-852-01		Cushion L, Printed indiv.	*	1	
82-489-853-01		Cushion R, Printed indiv.	*	1	
87-056-500-01		Curl stopper		2	
87-056-551-01		Poly-vinyl sack (for case)		1	
87-051-171-01		Poly-vinyl sack (for instruction)		1 1	
82-489-901-01		Instructions booklet (EE model only)	*	1	
82-489-902-01		Instructions booklet (UK model only)	*	1 1	
87-056-009-01		Distributors list		1	
87-058-023-01		Cord binder		1 1	
87-043-025-01		FM antenna		1	
87-056-549-01		Poly-vinyl sack (for AC cord)		1	
82-473-861-01		Cushion, Bar antenna	AX-7500	1	
	82-489-851-01 82-489-852-01 82-489-853-01 87-056-500-01 87-056-551-01 87-051-171-01 82-489-901-01 82-489-902-01 87-056-009-01 87-058-023-01 87-043-025-01 87-056-549-01	Part No. Changed to 82-489-851-01 82-489-852-01 82-489-853-01 87-056-500-01 87-056-551-01 87-051-171-01 82-489-901-01 82-489-902-01 87-056-009-01 87-058-023-01 87-043-025-01 87-056-549-01	Part No. Changed to 82-489-851-01 Printed indiv., Packing 82-489-852-01 Cushion L, Printed indiv. 82-489-853-01 Cushion R, Printed indiv. 87-056-500-01 Curl stopper 87-056-551-01 Poly-vinyl sack (for case) 87-051-171-01 Poly-vinyl sack (for instruction) 82-489-901-01 Instructions booklet (EE model only) 82-489-902-01 Instructions booklet (UK model only) 87-056-009-01 Distributors list 87-043-025-01 Cord binder FM antenna Poly-vinyl sack (for AC cord)	Part No. Changed to Description Model 82-489-851-01 Printed indiv., Packing * 82-489-852-01 Cushion L, Printed indiv. * 82-489-853-01 Cushion R, Printed indiv. * 87-056-500-01 Curl stopper * 87-056-551-01 Poly-vinyl sack (for case) Poly-vinyl sack (for instruction) 82-489-901-01 Instructions booklet (EE model only) * 82-489-902-01 Instructions booklet (UK model only) * 87-056-009-01 Distributors list Cord binder 87-043-025-01 FM antenna Poly-vinyl sack (for AC cord)	Part No. Changed to Description Model Q'ty 82-489-851-01 Printed indiv., Packing * 1 82-489-852-01 Cushion L, Printed indiv. * 1 82-489-853-01 Cushion R, Printed indiv. * 1 87-056-500-01 Curl stopper 2 87-056-551-01 Poly-vinyl sack (for case) 1 87-051-171-01 Poly-vinyl sack (for instruction) 1 82-489-901-01 Instructions booklet (EE model only) * 1 82-489-902-01 Instructions booklet (UK model only) * 1 87-056-009-01 Distributors list 1 1 87-058-023-01 Cord binder 1 1 87-043-025-01 FM antenna 1 1 87-056-549-01 Poly-vinyl sack (for AC cord) 1

ELECTRICAL MAIN PARTS LIST

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
≪ TUNER C	IRCUIT BOARI	O SECTION ≫	≪ EQ AMP C	IRCUIT BOAR	D SECTION ≫
PCB-A	82-489-601-01	Tuner circuit board	PCB-C	82-473-608-21	
IC1	82-481-727-01	IC, HA1156W	Q1,2,3,4	82-473-644-01	Transistor, 2SA750 (DA)
IC151	82-489-636-01	IC, μPC-78L12	Q5,6,7,8	82-473-645-01	Transistor, 2SC1400 (DA)
Q1	89-307-103-01		Q9,10	89-317-354-01	Transistor, 2SC1735 (E)
Q2,3	89-319-233-01	Transistor, 2SC1923 (O)	J1~13	82-473-625-01	Pinjack 12P (PHONO, AUX,
Q4,5,6,7	89-303-813-01	Transistor, 2SC381 (O)			TAPE-2 PLAY, REC,
Q8,104	87-026-045-01	Transistor, 2SC380A (O)			TAPE-1 PLAY, REC, DIN)
Q9,10,11	89-309-456-01	Transistor, 2SC945L (P)			
Q101,102	89-303-804-01	Transistor, 2SC380 (Y)	R25,26	92 472 676 01	< Resistors >
Q103	89-303-803-01	Transistor, 2SC380 (O)	•	82-473-676-01	3.9kΩ 1W Metal film resistor
FET1,2	87-026-128-01	FET, 3SK59 (BL)	R23,24	82-473-683-01	68.1kΩ 1/4W ±2%
FET3	87-027-240-01	FET, 2SK61 (GR)			Metal film resistor
D1	87-026-049-01	Diode, 1S2139 (B)			< Capacitors >
D2,3,9,10,11,	87-027-097-01	Diode, 1S1555	C1,2	87-015-244-01	4.7μF 50V Electrolytic LL
102,103			C9,10	82-473-684-01	3900pF ±2% PP
D4,5,6,7,8,	88-052-188-01	Diode, 1S188 (FM)	C11,12	82-473-685-01	1100pF ±2% PP
101			C15,16	82-473-681-01	4.7μF 50V Electrolytic BP
L1	82-473-729-01	FM antenna coil			
L2	82-489-609-01	FM coil, RF-1	≪ PRE AMP/S	SWITCH CIRC	UIT BOARD SECTION ≫
L3	82-489-621-01	FM coil, RF-2	PCB-D	82-489-611-01	PRE amp/switch circuit board
L4	82-489-610-01	FM OSC coil	Q1,2,3,4,5,6	87-309-456-01	Transistor, 2SC945L (P)
L5,10	82-470-604-01	Coil, 2.2µH	S1~6	82-489-615-01	Push switch (SELECTOR SW)
L6,7,11	87-005-101-01	Coil, 2.2µH	\$8,9,10,13,16	82-489-614-01	Push switch (FM MUTING, HIGH
L8	82-473-628-01	Coil, 8.2mH			FILTER, RUMBLE FILTER,
L9	87-005-088-01	Coil, 5.6mH			LOUDNESS, STEREO/MONO)
L102	82-457-699-01	MW OSC coil	PIN-H	87-032-437-01	Pin, 3P
IFT1	82-489-645-01	FM IFT	PIN-G,J,N	87-032-653-01	Pin, 3P
IFT2	84-173-614-01	FMIFT	PIN-C,K,L	87-032-654-01	Pin, 4P
IFT3	87-008-159-01	FM IFT (Ratio)	PIN-D,E,M	87-032-655-01	Pin, 5P
IFT101	87-008-160-01	MW IFT (DET)	PIN-F	87-032-656-01	Pin, 6P
VC1~6			PIN-I	87-032-657-01	Pin, 7P
TC1~5	82-489-602-01	VC			·
TC4	82-489-603-01	Trimmer			< Resistor >
CF1~4	87-030-053-01	FM ceramic filter	R59	82-473-708-01	1.5kΩ 1W Metal film resistor
,	0, 000 000 01	(EE model only)	4 OWNTON O	IDOLUT DO AD	
CF1~4	87-030-054-01	FM ceramic filter		IRCUIT BOAR	
		(UK model only)	PCB-E	82-489-612-01	Switch circuit board
CFT101	87-008-118-01	MW ceramic filter transformer	A TONE OLD	OLUT DO A DD	05051011
		(EE model only)		CUIT BOARD	
CFT101	87-008-152-01	MW ceramic filter transformer	PCB-F	82-489-613-01	
		(UK model only)	Q1,2	89-107-505-01	Transistor, 2SA750 (E)
SFR1	87-021-366-01	•	Q3,4	89-314-005-01	Transistor, 2SC1400 (E)
PIN-A	87-032-653-01	Pin, 3P	Q5,6	89-309-456-01	Transistor, 2SC945L (P)
PIN-B	87-032-773-01	Pin, 3P	Q7,8	89-309-458-01	Transistor, 2SC945L (R)
	0, 002,,,00,		VR1,2	82-489-616-01	Volume, 100kΩ-B (VOLUME)
D400		< Resistors >	VR3,4	82-489-617-01	Volume, 50kΩ-MN (BALANCE)
R129	82-489-640-01	100Ω 1W Metal film resis		82-489-618-01	Volume, 50kΩA (TREBLE, BASS)
R72,73	82-481-711-01	3.6kΩ Metal film resis	tor S17,18	87-031-409-01	Lever switch (TURNOVER
		< Capacitors >			FREQUENCY/DEFEAT SELECTOR
C18	88-254-292-01	47pF Ceramic			< Resistor >
C19	88-254-152-01	15pF Ceramic	R9,10	82-473-705-01	6.8kΩ 1W Metal film resistor
C20	88-255-082-01	8pF Ceramic	.,		
C23,25	88-254-032-01	3pF Ceramic	04.0		< Capacitors >
C68,69	82-481-710-01	0.015μF PP	C1,2	87-015-244-01	4.7μF 50V Electrolytic LL
- 55,00	02 .0. / 10 01	0.015#1	C9,10	82-473-681-01	4.7μF 50V Electrolytic BP
≪ MUTING (CIRCUIT BOAF	RD SECTION ≫	< POWER	1	
PCB-B	82-481-694-01	Muting circuit board		RCUIT BOARD	
Q1,2,3,4,6,7,8	89-309-456-01	Transistor, 2SC945L (P)	PCB-G	82-473-602-11	Power circuit board
Q5,9,10	89-107-336-01	Transistor, 2SA733 (P)	Q1	89-402-344-01	Transistor, 2SD234 (Y)
D1,2,4,5,6	87-027-097-01	Diode, 1S1555	Ω2	89-106-844-01	Transistor, 2SA684 (R)
D1,2,4,5,6 D3	88-052-188-11		D1,2	87-027-144-01	Zener diode, WZ350
D7	87-027-097-01	Diode, 1S188 (FM)	D3,4,5,6,9	87-027-083-01	Diode, 1S1885
LPF 1,2		Diode, 1S1555	D7	87-027-149-01	Diode, SS-3
SFR1	82-481-709-01	Low pass filter	D8	87-027-150-01	Diode, SS-3R
	87-021-387-01	Semi-fixed resistor, 10kΩ-B	PIN-S,T,U,V	87-032-437-01	Pin, 3P
PIN-X PIN-W	87-032-773-01	Pin, 3P			
r my-vy	87-032-777-01	Pin, 7P	R5.6	92 472 700 04	< Resistor >
	I		R5,6	82-473-708-01	1.5kΩ 1W Metal film resistor

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
≪ MAIN AMF	CIRCUIT BOA	RD SECTION >	Q9,10	89-406-732-01	Transistor, 2SD673 (B)
РСВ-Н			Q13,14	89-206-532-01	Transistor, 2SB653 (B)
Q1,2	89-107-336-01	Transistor, 2SA733 (P)	F1,3,4	87-035-142-01	Fuse, 2A (EE model only)
Q3,4	89-107-985-01	Transistor, 2SA798 (G)	F1,3,4	87-035-148-01	Fuse, 2A (UK model only)
Q5,6	89-406-663-01	Transistor, 2SD666 (C)		87-098-043-01	Fuse label, 2A
Q7,8	89-406-673-01	Transistor, 2SD667A (C)	F2	87-035-117-01	Fuse, 1.25A "T"
Q11,12	89-206-473-01	Transistor, 2SB647A (C)			(EE model only)
Q101,102	89-309-458-01	Transistor, 2SC945L (P)		87-098-017-01	Fuse label, 1.25A "T"
Q103	89-107-196-01	Transistor, 2SA719 (R)			(EE model only)
D1,2	87-027-143-01	Zener diode, WZ-150	F2	87-035-149-01	Fuse, 1.6A (UK model only)
D3,4	82-473-611-01	Diode, STV-3H		87-098-042-01	Fuse label, 1.6A
	87-026-066-01	Diode, M8513A-0		((UK model only)
D101~105	82-473-679-01	Coil, 2.2µH	F5	87-035-102-01	Fuse, 3.15A (EE model only)
L1,2		Relay	F5	87-035-147-01	Fuse, 3.15A (UK model only)
RY1	82-473-610-11	Circuit braker		87-098-045-01	Fuse lable, 3.15A
CB1,2	82-489-651-01			82-473-717-01	Fuse holder, 5P
SFR1,2	87-021-437-01	Semi-fixed resistor, $2.2k\Omega$ -B Semi-fixed resistor, 470Ω -B	PL1	82-489-627-01	Pilot lamp 8V 0.05A
SFR3,4	87-021-433-01		PL2	82-489-622-01	Pilot lamp 8V 100mA
PIN-P,Q,R	87-032-437-01	Pin, 3P	PL3,4,5,6	82-489-626-01	Pilot lamp 8V 0.25A
PIN-O	87-032-654-01	Pin, 4P	L101	82-489-648-01	MW bar antenna coil
		< Resistors >	LM1,2	82-489-605-01	Level meter ass'y
R19,20	82-473-676-01	3.9kΩ 1W Metal film resistor		82-445-656-01	ANT socket (DIN, FM)
R21,22	82-473-707-01	2.2kΩ 1W Metal film resistor	J15	82-445-655-01	ANT socket (DIN, AM)
R29,30,31,32	82-473-617-01	220Ω 1W Metal film resistor	J16	82-473-703-01	Speaker terminal
R33,34,35,36	87-025-111-01	0.47Ω 5W Cement resistor	J17,18	82-473-703-01	•
R37,38	82-473-616-01	10Ω 1W Metal film resistor	140	07 022 072 01	(SPEAKERS A,B)
R106	82-473-674-01	15Ω 1W Metal film resistor	J19	87-032-673-01	Jack 6.3φ (PHONES)
,,,,,,		10	S7	82-489-620-01	Push switch (AFC)
		< Capacitors >	S11	82-489-619-01	Rotary switch (SPEAKERS)
C1,2	87-015-245-01	10μF 50V Electrolytic LL	S12	87-031-408-01	Push switch (POWER)
C101	82-473-619-01	100μF 25V Electrolytic BP	S14,15	87-031-364-01	Slide switch (VOLTAGE SELECTO
(A N T O D		PECTION >		82-473-677-11	Transistor socket
	CUIT BOARD S	1		87-032-503-01	Pilot socket (PL3,4,5,6)
PCB-I	82-473-727-01			87-033-001-01	Lug piate, 1L-2P
T2	87-006-047-01	Balun transformer	CON-G	82-489-638-01	3P connector ass'y 1
	82-473-626-11	Antenna terminal, 4P	CON-H,S	82-473-661-01	3P connector ass'y 2
(D.IN. O.D.	I UT DO ADD C	FOTION	CON-R	82-473-664-01	3P connector ass'y 1
	CUIT BOARD S		CON-1	82-473-652-11	3P connector ass'y 1
PCB-J	82-473-601-01		CON-N	82-489-629-01	3P connector ass'y 1
J14	87-032-678-01	5P DIN socket (TAPE-2, REC/PB)	CON-X	82-489-631-01	3P connector ass'y 1
< 1 ED 010	OLUT DO A DD 4	CECTION	CON-P	82-473-662-01	3P connector ass'y 1
	CUIT BOARD-1		CON-B	82-489-632-01	3P connector ass'y 1
PCB-K		LED circuit board-1	CON-A	82-489-630-01	
D1,2,3	87-026-088-01		CON-Q	82-473-663-11	3P connector ass'y 1
		GD-4-203GD (GRN)	CON-O	82-473-650-21	
D4	87-026-087-01		CON-K,L	82-489-647-01	
		GD-4-203RD (RED)	CON-C	82-489-633-01	
		O OF OTION &	CON-M	82-489-639-01	
	CUIT BOARD		CON-J,E	82-473-649-11	
PCB-L	82-489-649-01	1	CON-D	82-489-634-01	
D1,2	87-026-083-01		CON-F	82-473-647-11	
		SLP-114 (RED)	CON-I	82-473-648-11	
		0.05051041	CON-W	82-489-635-01	7P connector ass'y 1
	CUIT BOARD				< Resistors >
PCB-M	82-489-650-0		R3,4	87-025-055-01	
D1	87-026-083-0		R5	82-489-646-01	
		SLP-114 (RED)			Metal film resisto
	1			,	
≪ MISCEL	LANEOUS≫			00 470 700 0	< Capacitors >
T1	82-489-637-0	1 Power transformer	C901,902 C904,905	82-473-728-01 84-190-622-01	

ADJUSTMENTS

• Instruments Required

Signal Source

- 1. RF Signal generator (AM, FM).
- IF sweep generator (Centered 455/468 kHz for AM and 10.7 MHz for FM).

Output Indicator

- 1. V.T.V.M.
- 2. Oscilloscope

• Regulator Adjusting Steps

For band	For stages on each band
1. AM (MW)	1st IF
	2nd: RF frequency range
	3rd: RF tracking
2. FM	1st: IF
	2nd: RF frequency range
	3rd: RF tracking

AM-IF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for	
	Connect to		Connect to	Sociatio dia to	Aujust	Aujust 101	
	AM IF sweep gen.	Sweep centered	Oscilloscope				
1	TP 3 (AM IF input)	455kHz (EE) 468 kHz (UK)	AM det. output tab	Min, Freq	CFT101 IFT 101	Maximum	

AM-RF-Alignment

Step	Signal source Connect to	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for		
			Connect to					
1	AM signal gen		V.T.V.M.					
	Loop antenna	515 kHz (Modulated)	AM det. output tab	515 kHz (Low end)	L102 (OSC coil)	Maximum		
2	Loop antenna	1650 kHz (Modulated)	AM det. output tab	1650 kHz (Hight end)	TC-5 (OSC trim.)	Maximum		
3	(Repeat steps 1 and	(Repeat steps 1 and 2 to obtain frequency range.)						
4	Loop antenna	600 kHz (Modulated)	AM det. output tab	600 kHz	L101 (ANT coil)	Maximum		
5	Loop antenna	1400 kHz (Modulated)	AM det. output tab	1400 kHz	TC-5 (ANT trim.)	Maximum		
6	(Repeat steps 4 and 5 to minimize tracking error, and also step 3 if necessary.)							

FM-IF Alignment

Step	Signal source Connect to	Set signal to	Alignment indicator Connect to	Set radio dial to	Adjust	Adjust for
1	TPI (FM IF input)	FM det. output tab				
2	TPI (FM IF input)	Sweep centered 107. MHz	FM det. output tab	Max. Freq.	IFT3	Symmetrical response centered 10.7 MHz
3	(Repeat 1 and 2 to c	btain a balanced "S"	curve linearity.)		

FM-RF Alignment

Step	Signal source Connect to	Set signal to	Alignment indicator	Set radio dial to					
					Adjust	Adjust for			
	FM signal gen.		V.T.V.M.						
. 1	Antenna terminal	87 MHz (Modulated)	FM det. output tab	87 MHz	L4 (OSC coil)	Maximum			
2	Antenna terminal	109 MHz (Modulated)	FM det. output tab	109 MHz	TC-4 (OSC trim)	Maximum			
3	(Repeat steps 1 and 2	(Repeat steps 1 and 2 to obtain frequency range.)							
4	Antenna terminal	88 MHz (Modulated)	FM det. output tab	88 MHz	L1 (ANT coil) L2 (RF coil) L3 (RF coil)	Maximum			
5	Antenna terminal	108 MHz (Modulated)	FM det. output tab	108 MHz	TC-1 (ANT trim) TC-2 (RF trim) TC-3 (RF trim)	Maximum			
6	(Repeat steps 4 and 5 to minimize tracking error, and step 3 if necessary.)								

MPX Adjustment

• 19 kHz

Conditions:

Selector switch: FM

ST/MONO switch: STEREO

Dial position: detuned from station

Adjust SFR1 for 19 kHz ± 30 Hz frequency at 19 kHz

test point (TP-5).

MPX

Conditions:

Carrier frequency: 98 MHz

Input Signal: 60 dB

Modulation: Pilot signal 10%

Composite signal 90%

Modulation frequency: 1 kHz

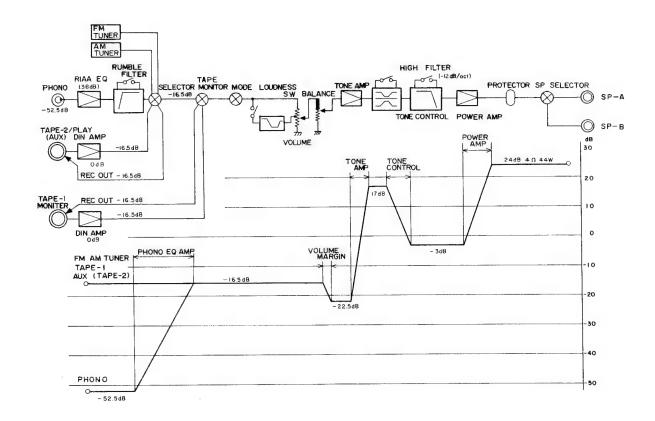
Tune dial to 98 MHz and adjust SFR1 for optimum sepa-

ration (45 dB).

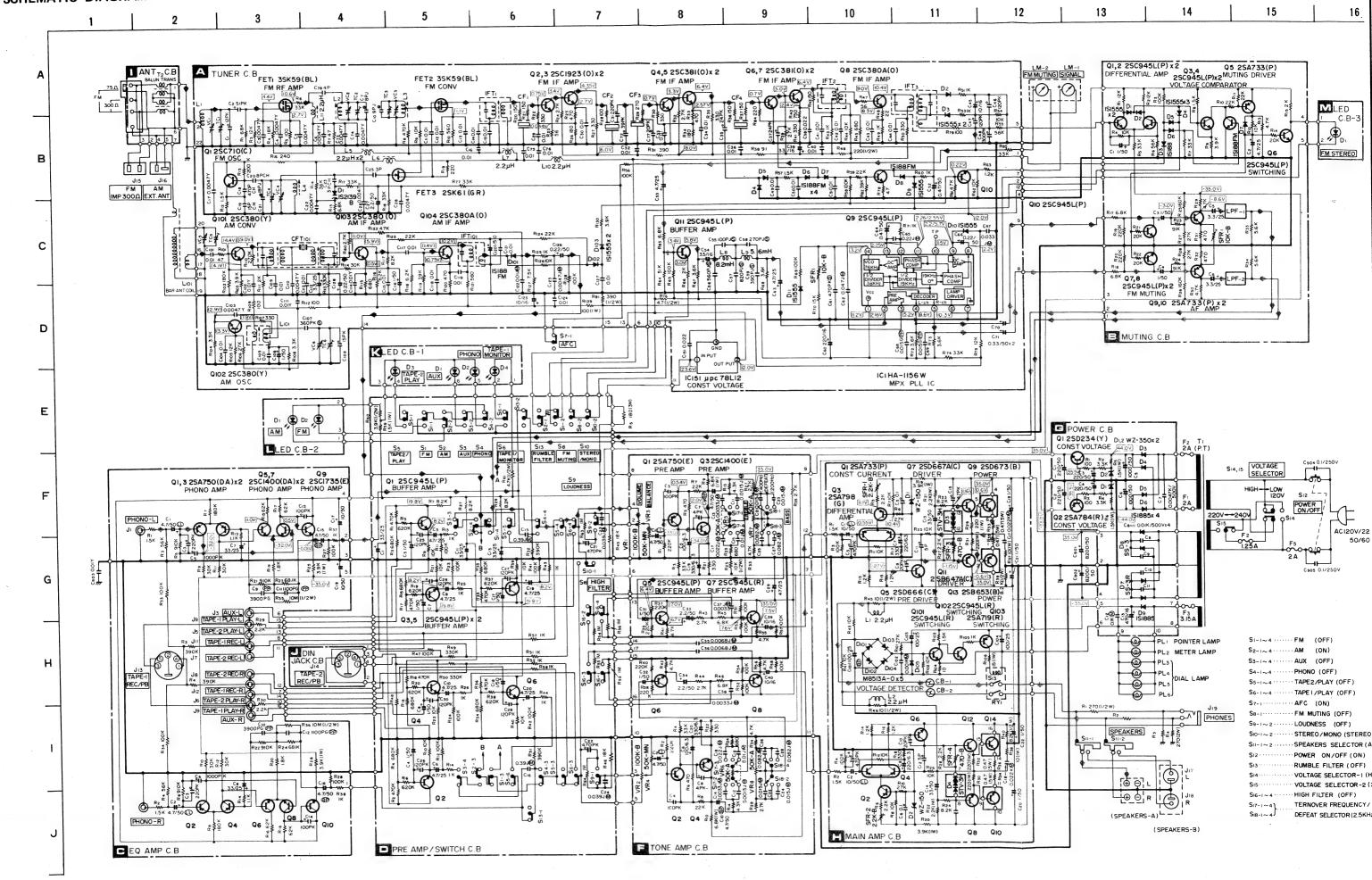
How to change the upper limit of FM frequency range from 109 MHz to 104 MHz.

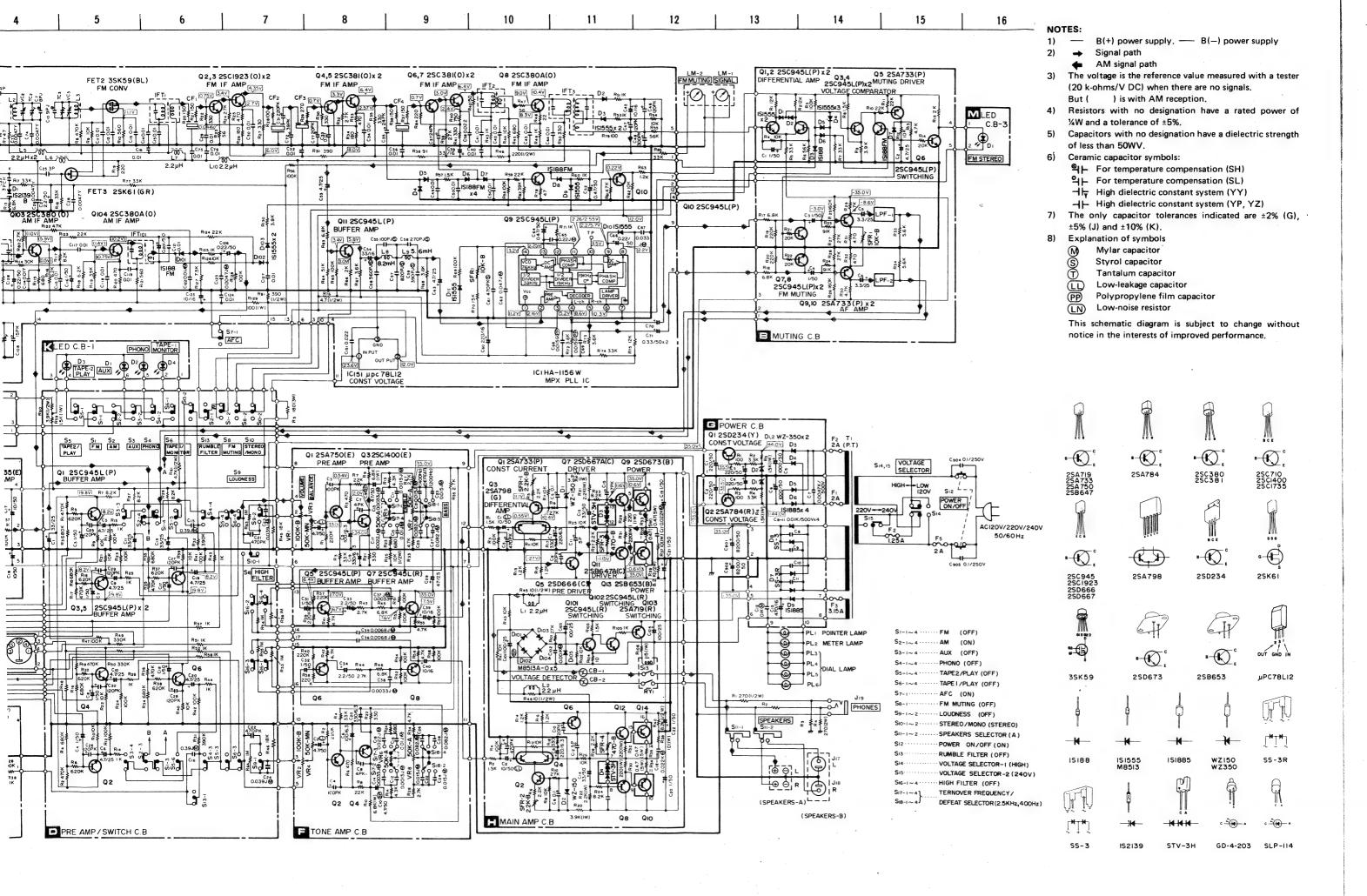
Symbol No.	Description	10	9 MHz	104 MHz	
L 4	FM COIL	1-½t aluminum core	82-489-610-01	%t ferrite core	99-489-001-01
C21	Ceramic Capacitor	18pF	88-251-180-01	27pF	88-212-230-01

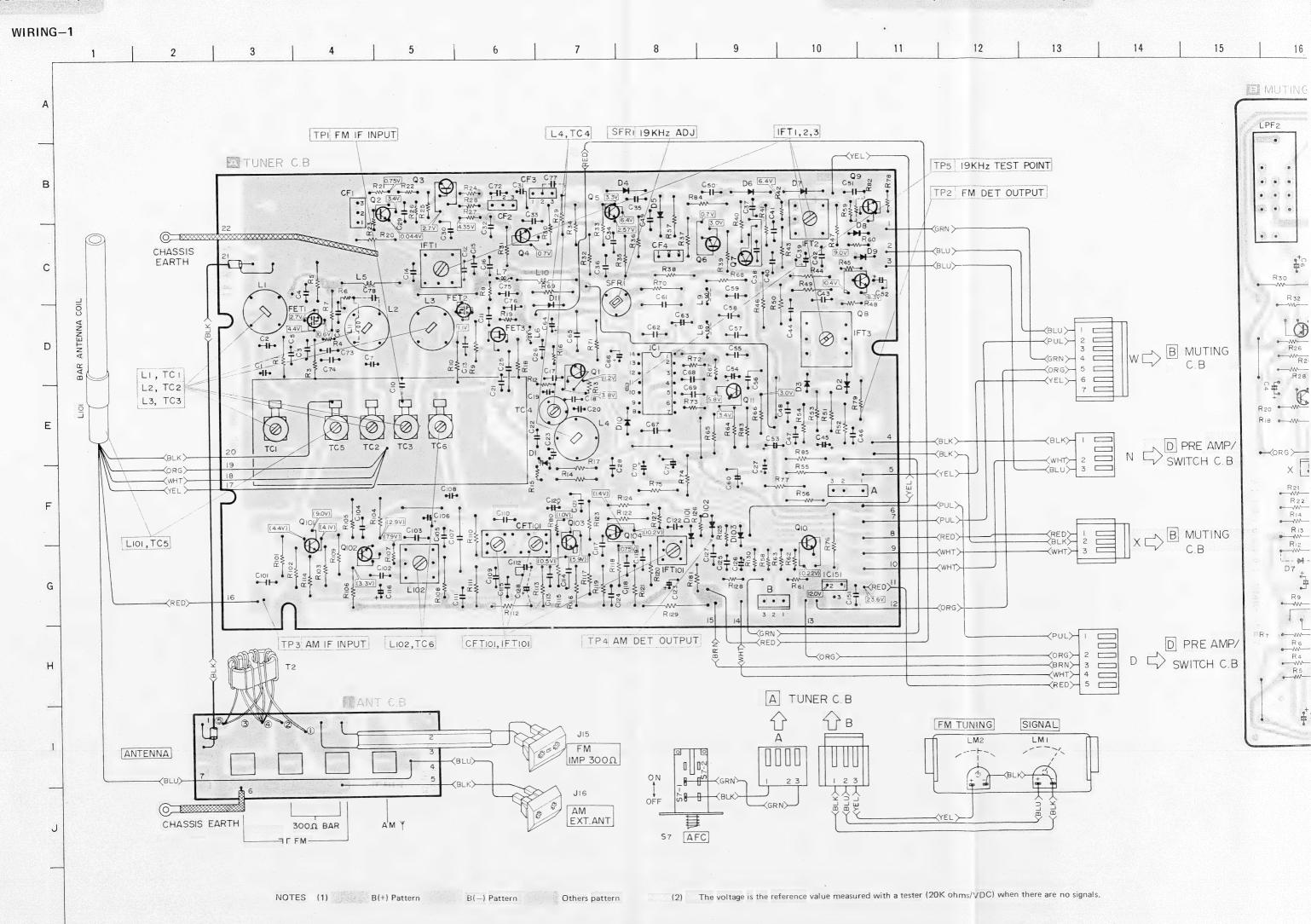
LEVEL DIAGRAM

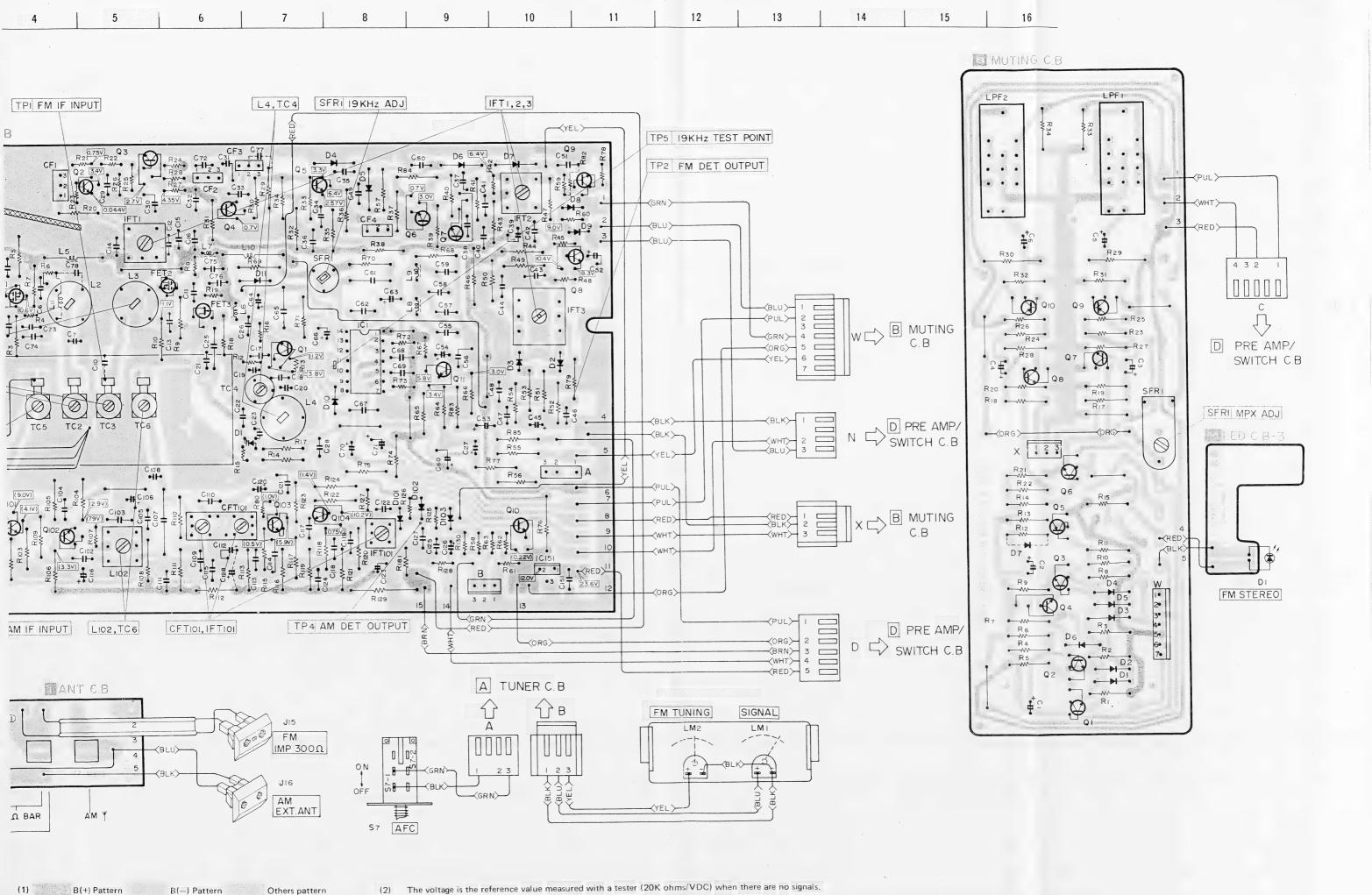


SCHEMATIC DIAGRAM

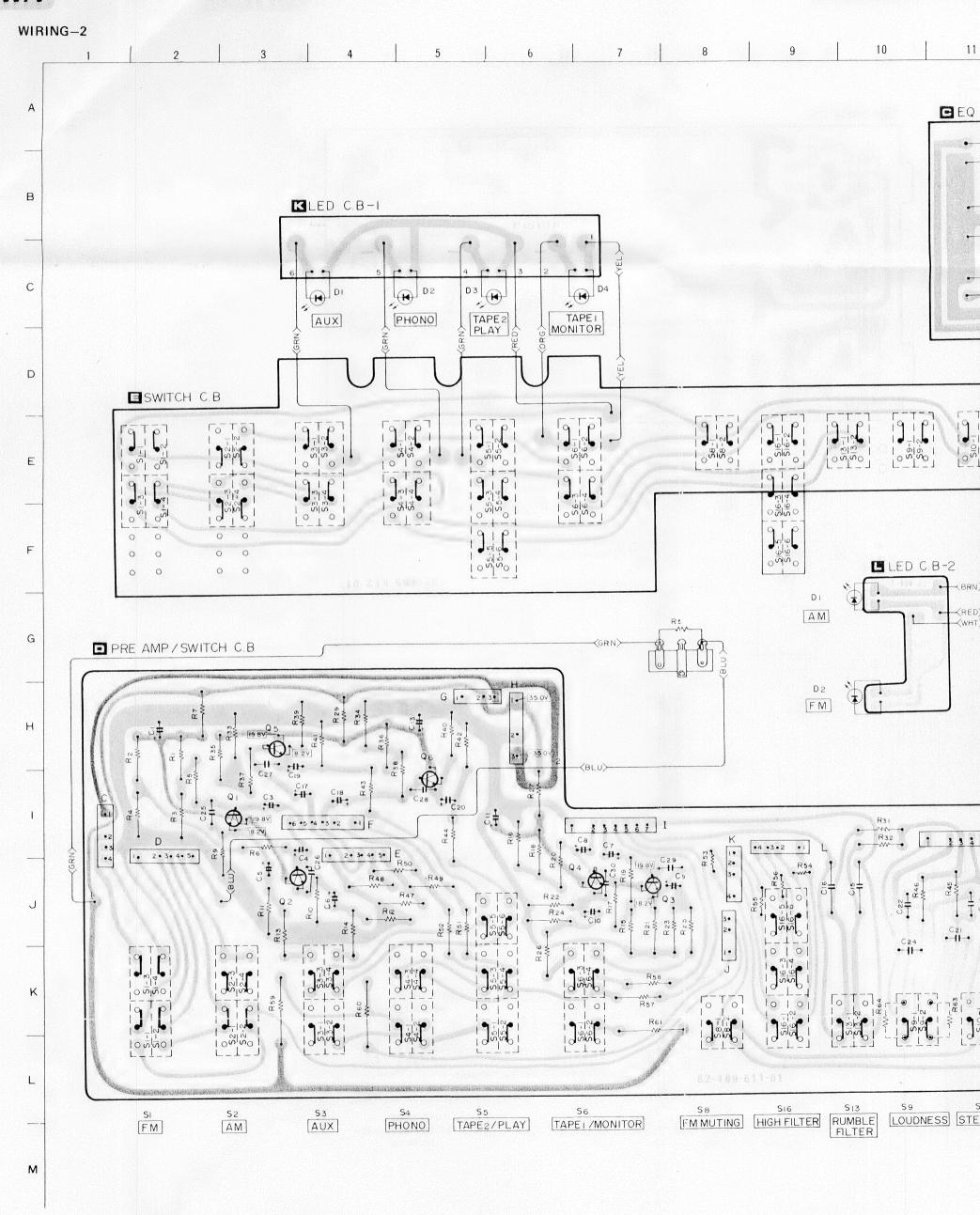


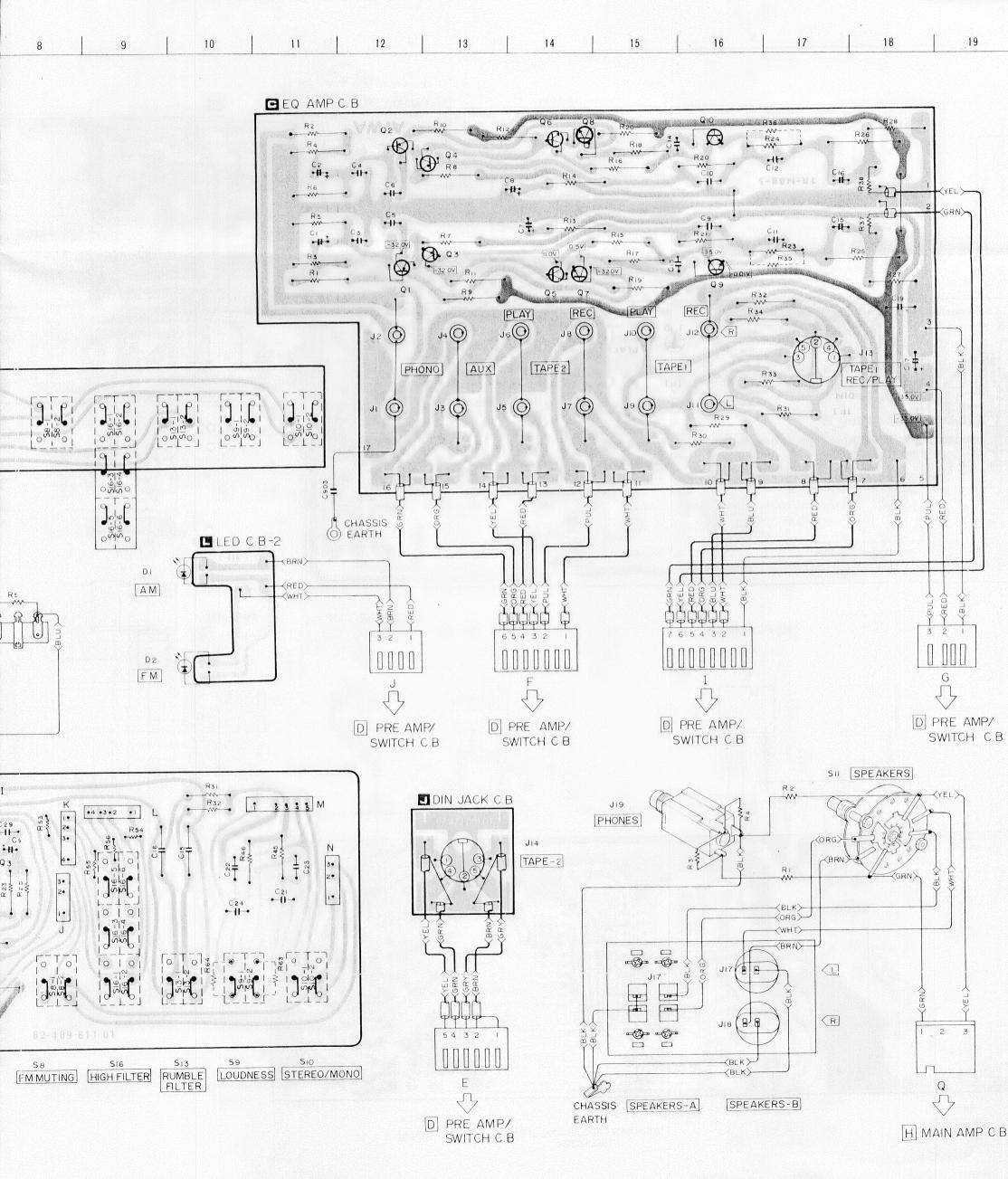






AIWA





tern

